SPYWOLF

Security Audit Report

Completed on
August 29, 2022

OVERVIEW

This audit has been prepared for **Zombie Nation** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

" *The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal* "
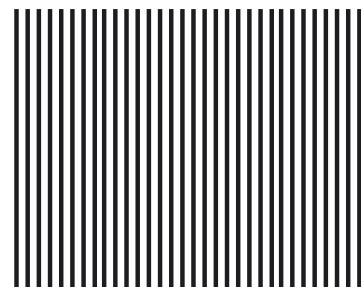
– SPYWOLF Team –

TABLE OF CONTENTS

Zombie Nation

PROJECT DESCRIPTION

According to their website:

Zombie Nation will be play to earn/move to earn game which in future can be accessed by mobile or PC app.

Users can earn reward by walking / running / cycling / driving. There will also be ingame NFT assets like weapons and land.

Release Date: Launch on September 10, 2022

Category: Play to earn/Move to earn

CONTRACT INFO

Token Name
Zombie Nation

Symbol
ZOMBN

Contract Address
0x46Be67D6b12A3BbEB0d5E9aFD1F42599850F836E

Network
Binance Smart Chain

Language
Solidity

Deployment Date
August 23, 2022

Verified?
Yes

Total Supply
100,000,000

Status
Not launched

TAXES

Buy Tax
3.5%

Sell Tax
3.5%

*Taxes can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

02

CURRENT STATS

(As of August 29, 2022)

Liquidity

Not added yet

Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No limit

DEX:
PancakeSwap

LP Address(es)

Liquidity not added yet

03

TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	100000000 ZOMBN
Median Transfer Amount	100000000 ZOMBN
Average Transfer Amount	100000000 ZOMBN
First transfer date	2022-08-23
Last transfer date	2022-08-23
Days token transferred	1

SMART CONTRACT STATS

Calls Count	3
External calls	3
Internal calls	0
Transactions count	3
Uniq Callers	1
Days contract called	2
Last transaction time	2022-08-27 21:08:50 UTC
Created	2022-08-23 09:52:52 UTC
Create TX	0xd2fc533e706679a93bf62efc99ec638b43b276b665637e51748378b38d05451e
Creator	0x9de94707417fc21bd603db7e05a92b631656a89f

FEATURED WALLETS

Owner address	0x9de94707417fc21bd603db7e05a92b631656a89f
Charity address	0x62fac65ed248f1aa052ac2311525a0ae990cd8cd
LP address	**Liquidity not added yet**

TOP 3 UNLOCKED WALLETS

1

100%   Same as owner

05

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

06

THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

07

FOUND THREATS

⚠️ Medium Risk

Owner can set buy/sell fees up to 25% (combined buy+sell=50%).

```solidity
function setTaxFeePercent(uint256 taxFeeBps) external onlyOwner {
    _taxFee = taxFeeBps;
    require(
        _taxFee + _liquidityFee + _charityFee <= 10**4 / 4,
        "Total fee is over 25%"
    );
}

function setLiquidityFeePercent(uint256 liquidityFeeBps)
    external
    onlyOwner
{
    _liquidityFee = liquidityFeeBps;
    require(
        _taxFee + _liquidityFee + _charityFee <= 10**4 / 4,
        "Total fee is over 25%"
    );
}
```

- Recommendation:
  - Considered as tax deduction practice is buy and sell fees combined not to exceed 25%

RECOMMENDATIONS FOR
GOOD
PRACTICES

1 Consider fundamental tradeoffs

2 Be attentive to blockchain properties

3 Ensure careful rollouts

4 Keep contracts simple

5 Stay up to date and track development

Zombie Nation
GOOD PRACTICES FOUND

✓ The owner cannot mint new tokens after deployment

✓ The owner cannot stop or pause the contract

✓ The owner cannot set a transaction limit

✓ The smart contract utilizes "SafeMath" to prevent overflows

09

*There is no information about the initial tokens distribution based on the project's social media and website. ⚠️

THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd

👤

KYC Date

June 24, 2022

Format

NFT

Certificate Link

https://github.com/SpyWolfNetwork/KYCs/blob/main/june/KYC_Zombie_Nation_0xC4ab17d05561011f84e47D25FB234fF09B3106a7.png

Website URL
https://www.zombienationgaming.net/

Domain Registry
http://www.wix.com

Domain Expiration
2024-06-14

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Single page, template design, appropriate color scheme and graphics.

Content
Informative, helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set at 4 phases without time frames.
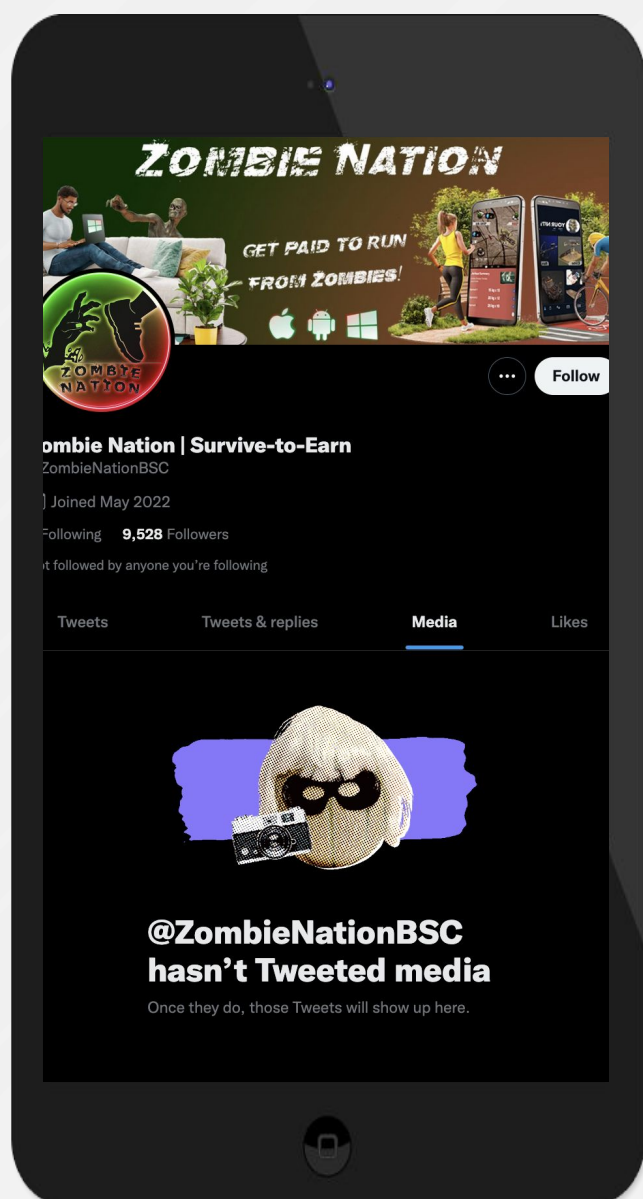
Mobile-friendly?
Yes

zombienationgaming.net

SOCIAL MEDIA
& ONLINE PRESENCE

ANALYSIS

Project's social media accounts are heavily botted and there are no active discussions between members

Twitter

https://twitter.com/zombienationbsc

- 8 853 Followers, botted ⚠️
- No posts ⚠️

Discord

- Not available

Telegram

https://t.me/ZombieNationOfficial

- 11 463 members, botted ⚠️
- No active members ⚠️
- No active mods ⚠️

Medium

- Not available

13

SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✔ **OVER 150 SUCCESSFUL CLIENTS**
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- ✔ **PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS**
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To hire us, reach out to contact@spywolf.co or t.me/joe_SpyWolf

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14

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.